200

202

TX C 210 212

TX-EN

TX-ERR 214

TXD[3:0] 215

4 218

CRS

COL 220

222

RXC
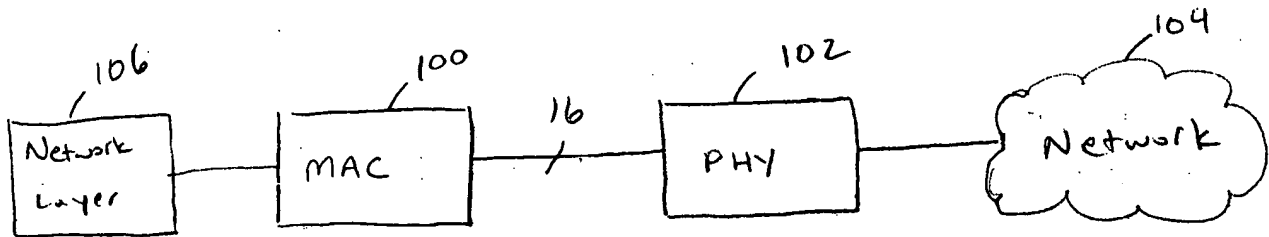
RXD[3:0] 4 224

RX-DV 226

RX-ER 228

PHY

125 MHz

MAC

SH
O.K.

Figure 2
-- PRIOR ART --

106
Network Layer

100
MAC

16

102
PHY

104
Network

Figure 1A
-- PRIOR ART --

110
120
130

112a MAC 1 — 16 — PHY 1 122a
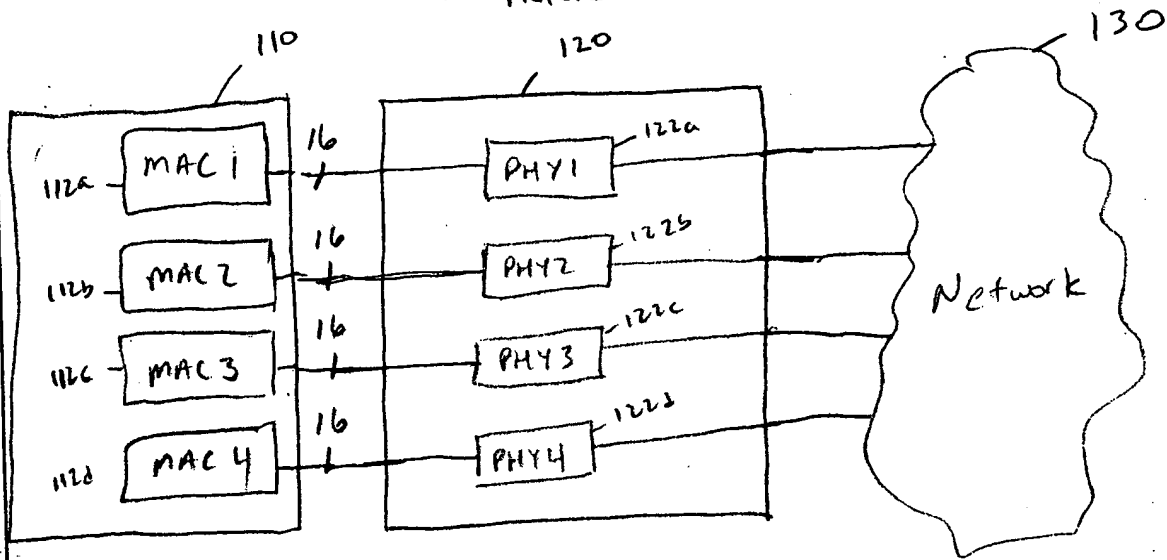112b MAC 2 — 16 — PHY 2 122b
112c MAC 3 — 16 — PHY 3 122c
112d MAC 4 — 16 — PHY 4 122d

Network

Figure 1B
-- PRIOR ART --